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WHAT IS CLAIMED IS:

1. A transdermal drug delivery composition comprising
 - (a) a copolymer comprising
 - (i) one or more A monomers selected from the group consisting of alkyl acrylates containing 4 to 12 carbon atoms in the alkyl group and alkyl methacrylates containing 4 to 12 carbon atoms in the alkyl group; and
 - (ii) one or more ethylenically unsaturated B monomers copolymerizable with the A monomer; and
 - (b) about 8% to about 30% by weight fentanyl based on the total weight of the composition.
2. The composition of claim 1 wherein the A monomer is selected from the group consisting of isoctyl acrylate, 2-ethylhexyl acrylate, butyl acrylate, and cyclohexyl acrylate.
3. The composition of claim 1 wherein the A monomer is isoctyl acrylate.
4. The composition of claim 1 wherein the B monomer is selected from the group consisting of 2-hydroxyethyl acrylate, 2-hydroxyethyl methacrylate, glyceryl acrylate, N, N-diethylacrylamide, 2-ethoxyethoxyethyl acrylate, 2-ethoxyethyl acrylate, tetrahydrofurfuryl acrylate, acrylic acid, acrylamide, vinyl acetate, N-vinyl pyrrolidone and mixtures thereof.
5. The composition of claim 1 wherein the B monomer is 2-hydroxyethyl acrylate.
6. The composition of claim 5 wherein the copolymer comprises from about 5% to about 45% of 2-hydroxyethyl acrylate by weight based on the total weight of all monomers in the copolymer.
7. The composition of claim 1 wherein the copolymer further comprises a macromonomer.

8. The composition of claim 7 wherein the macromonomer is a functionally terminated polymethylmethacrylate.
9. The composition of claim 7 wherein the copolymer contains from about 1% to about 6% of macromonomer by weight based on the total weight of all monomers in the copolymer.
10. The composition of claim 1 wherein the composition further comprises a delivery enhancing adjuvant.
11. The composition of claim 10 wherein the delivery enhancing adjuvant is selected from the group consisting of alkane polyols, fatty acids, fatty acid esters, fatty alcohols, terpenes, C₅-C₁₈ alkyl esters of a carboxylic acid, and mixtures thereof.
12. The composition of claim 10 wherein the delivery enhancing adjuvant is selected from the group consisting of ethyl oleate, isopropyl myristate, glycerol, tetraglycol, methyl laurate, N,N-dimethyldodecylamine N-oxide, limonene, terpineol, tetraethylene glycol, menthol, and mixtures thereof.

The composition of claim 10 wherein the concentration of skin permeation enhancer is from about 5% to about 40% by weight based on the total weight of the composition.

14. The composition of claim 10 wherein the skin permeation enhancer is tetraglycol.
15. The composition of claim 10 wherein the skin permeation enhancer is methyl laurate.
16. The composition of claim 1 wherein the concentration of fentanyl in said transdermal drug delivery composition is from about 12% to about 24% by weight.

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24. The composition of claim 23 wherein the concentration of delivery enhancing adjuvant is from about 5% to about 40% by weight based on the total weight of the composition.

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25.

The composition of claim 23 wherein the pressure sensitive adhesive copolymer comprises a copolymer comprising

- (a) one or more A monomers selected from the group consisting of alkyl acrylates containing 4 to 12 carbon atoms in the alkyl group and alkyl methacrylates containing 4 to 12 carbon atoms in the alkyl group; and
- (b) one or more ethylenically unsaturated B monomers copolymerizable with the A monomer.

26. The composition of claim 25 wherein the B monomer is selected from the group consisting of 2-hydroxyethyl acrylate, 2-hydroxyethyl methacrylate, glyceryl acrylate, N,N-diethylacrylamide, 2-ethoxyethoxyethyl acrylate, 2-ethoxyethyl acrylate, tetrahydrofurfuryl acrylate, N-vinyl pyrrolidone and mixtures thereof.

27. A device for the transdermal delivery of fentanyl comprising a backing and a composition according to claim 1, said composition being adhered to one surface of the backing.

28. A method of treating in a mammal a condition capable of treatment by fentanyl comprising the steps of:

- (a) providing a composition according to claim 1;
- (b) placing the composition on the skin of a mammal; and
- (c) allowing the composition to remain on the skin for a time sufficient to establish or maintain a therapeutically effective blood level of fentanyl in the mammal.

29. A method of providing analgesia to a mammal comprising the steps of:
(a) providing a composition according to claim 1;

(b) placing the composition on the skin of a mammal; and
(c) allowing the composition to remain on the skin for a time sufficient to establish or maintain an analgesically effective blood level of fentanyl in the mammal.

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A method of providing sustained analgesia to a mammal comprising delivering fentanyl to a mammal via a transdermal drug delivery device in an amount of about 0.5 to about 5.0 mg/day thereby causing the serum concentration of fentanyl in the mammal to be about 0.2 to about 10 ng/mL for a period of time from about 4 to about 14 days.

31. The method of claim 30 wherein the fentanyl is delivered in an amount of 0.5 to 2.5 mg/day, the serum concentration of fentanyl in the mammal is about 0.3 to about 4 ng/mL, and the period of time is from about 6 to about 8 days.

32. A device for the transdermal delivery of fentanyl comprising:
(a) a drug reservoir layer comprising the composition of claim 1;
(b) a rate controlling membrane adhered to one surface of the drug reservoir layer; and
(c) a skin contacting pressure sensitive adhesive layer adhered to the surface of the membrane that is opposed to the surface of the membrane in contact with the reservoir layer.

33. A device for the transdermal delivery of fentanyl comprising:
(a) a drug reservoir layer comprising the composition of claim 17;
(b) a rate controlling membrane adhered to one surface of the drug reservoir layer; and
(c) a skin contacting pressure sensitive adhesive layer adhered to the surface of the membrane that is opposed to the surface of the membrane in contact with the reservoir layer.